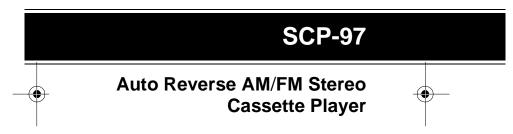


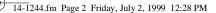
Cat. No. 14-1244 OWNER'S MANUAL

Please read before using this equipment.















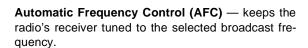
FEATURES

Your Optimus SCP-97 Auto Reverse AM/FM Stereo Cassette Player is a lightweight, portable AM/FM radio with a cassette player and built-in speaker. You can enjoy cassette tapes or the radio with others through the mono speaker or you can connect stereo headphones (not supplied) for private stereo listen-

Its features include:



Extended Bass — lets you increase your music's bass sound.



Auto-Reverse Play — automatically plays the other side of the tape when the side currently playing ends, for continuous playback.

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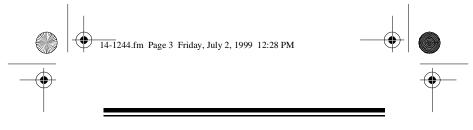












Direction Switch — lets you change the tape's direction to play the other side without removing the tape from the cassette player.

Three Power Sources — let you power the SCP-97 from two AA batteries (not supplied), standard AC power (using an optional AC adapter), or a vehicle's DC power (using an optional DC adapter).

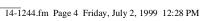


Removable Belt Clip — allows hands-free carrying so you can take the SCP-97 anywhere you go.

Note: To listen to your SCP-97 privately or in stereo, you need a pair of headphones or amplified speakers (not supplied) with a ¹/₈-inch mini plug. Your local RadioShack store sells a wide variety of headphones and speakers.













CONTENTS

Preparation	. 5
Power Sources	. 5
Using Internal Battery Power	. 5
Using AC Power	
Using Vehicle Battery Power	
Connecting Headphones/Speakers	
Listening Safely	
Traffic Safety	
Connecting the Antenna	
Using the Belt Clip	
Radio Operation	15
Cassette Operation	19
Playing a Cassette Tape	
Using Fast-Forward and Rewind	
Tape Tips	
Tape Quality	
Restoring Tape Tension and Sound Quality .	
Maintenance	25
Cleaning the Tape-Handling Parts	
FCC Information	
Specifications	29

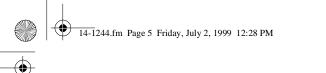










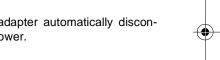


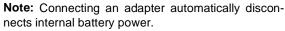


PREPARATION POWER SOURCES

You can power your SCP-97 from any of these power sources:

- · Internal battery power
- · Standard AC power
- · Vehicle battery power

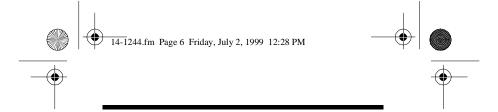




USING INTERNAL BATTERY POWER

You can power the SCP-97 from two AA batteries (not supplied). For the best performance, we recommend alkaline batteries, such as RadioShack Cat. No. 23-557. Follow these steps to install batteries.





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- 1. Press down on the battery compartment cover and slide it off in the direction of the arrow.
- 2. Install the batteries as indicated by the polarity symbols (+ and -) marked next to the compartment, with the back battery over the ribbon.

Cautions:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries or different types of batteries.
- 3. Replace the cover.

When the sound distorts or weakens, replace the batteries.



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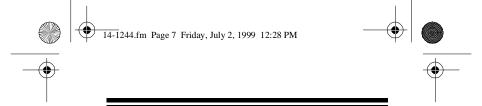












Cautions:

- Dispose of old batteries promptly and properly. Do not burn or bury them.
- If you do not plan to use the SCP-97 for a week or more, or if you plan to power it using only an AC or DC adapter, remove the batteries. Batteries can leak chemicals that can corrode or damage electronic circuits.

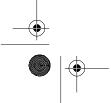


USING AC POWER

You can power the SCP-97 with an optional AC adapter, such as Cat. No. 273-1654.

Cautions:

 The recommended AC adapter supplies 3 volts and delivers at least 300 milliamps. Its center tip is set to negative, and its plug correctly fits the SCP-97's DC3V jack. Using an adapter that does not meet these specifications could damage the SCP-97 or the adapter.

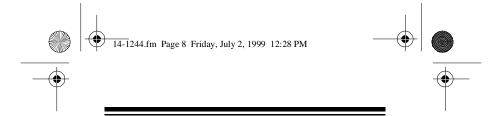










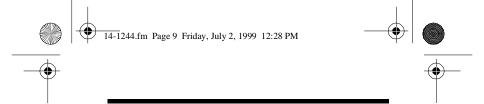


 Be sure to connect the adapter to the SCP-97 before you connect it to the AC outlet, and disconnect the adapter from the AC outlet before you disconnect it from the SCP-97.

Follow these steps to power the SCP-97 from a standard AC outlet.

- 1. Set the adapter's voltage switch to 3V.
- 2. Insert the adapter's 3.4 mm outer diameter/1.3 mm inner diameter barrel plug into the adapter's cord so it reads –TIP.
- 3. Insert the adapter's barrel plug into the SCP-97's DC3V jack.
- 4. Plug the adapter into a standard AC outlet.





USING VEHICLE BATTERY POWER

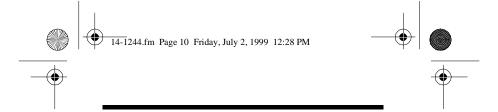
You can power the SCP-97 from a vehicle's battery using an optional DC adapter, such as Cat. No. 270-1560.

Cautions:



- The recommended DC adapter supplies 3 volts and delivers at least 300 milliamps. Its center tip is set to negative, and its plug correctly fits the SCP-97's DC3V jack. Using an adapter that does not meet these specifications could damage the SCP-97 or the adapter.
- Be sure to connect the adapter to the SCP-97 before you connect it to the cigarette-lighter socket, and disconnect the adapter from the cigarette-lighter socket before you disconnect it from the SCP-97.



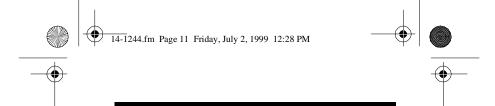


Follow these steps to power the SCP-97 from a vehicle's battery.



- 1. Set the adapter's voltage switch to 3V.
- 2. Insert the adapter's 3.4 mm outer diameter/1.3 mm inner diameter barrel plug into the adapter's cord with the tip set to negative (–).
- 3. Insert the adapter's barrel plug into the SCP-97's DC3V jack.
- 4. Plug the adapter into a vehicle's cigarette-lighter socket.





CONNECTING HEADPHONES/ SPEAKERS

You can enjoy the SCP-97's sound through its built-in monaural speaker. Or, you can connect stereo headphones or amplified speakers that have a ¹/s-inch stereo plug to the SCP-97 for stereo sound. Your local RadioShack store sells a wide variety of stereo headphones and amplified speakers.



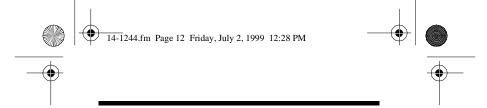
Connect stereo headphones or amplified speakers with a $^{1}/_{8}\text{-inch}$ stereo plug to the $\ensuremath{\Omega}$ /ANT. jack.



illus

Note: Connecting headphones or external speakers automatically disconnects the internal speaker.





Listening Safely

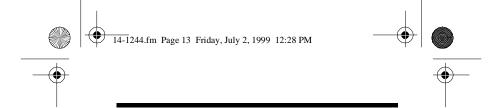
To protect your hearing, follow these guidelines when you use headphones.

- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels.
 Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it.
 Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

Traffic Safety

Do not wear headphones while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and could be illegal in some areas.





Even though some headphones let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

CONNECTING THE ANTENNA

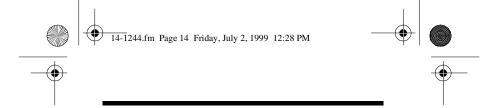


When you connect headphones or amplified speakers, the headphones' or speakers' cord acts as the FM antenna, so be sure to fully extend the cord. When not using headphones or amplified speakers, you can connect the supplied antenna for better reception of FM stations.



To connect the supplied antenna, insert its $^{1}/_{8}\text{-inch}$ plug into $\ensuremath{\Omega}$ /ANT.

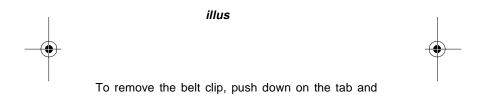




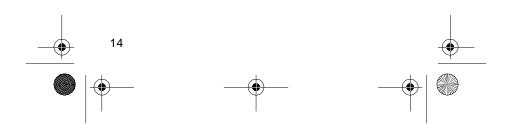
USING THE BELT CLIP

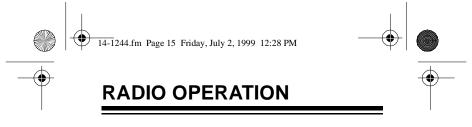
tab.

The supplied belt clip lets you keep your hands free while you listen to the SCP-97. To attach the belt clip, slide it into the slots on the back of the SCP-97 and push up until it latches in place.

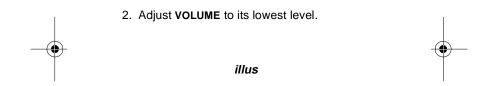


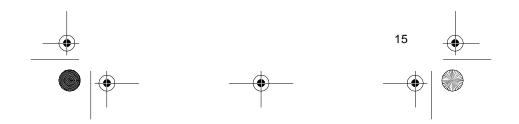
slide it off in the direction of the arrow marked on the

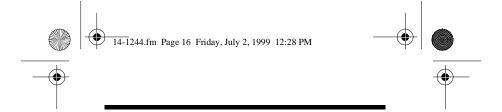




1. Set TAPE• •RADIO to RADIO.

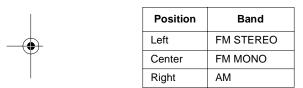




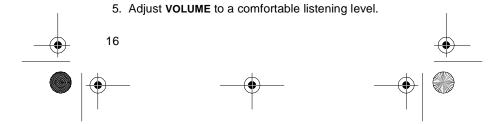


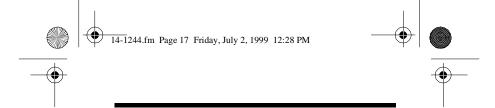
3. Set FM • • • AM to select the desired band.

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4. Turn ${f TUNING}$ to select the desired station.



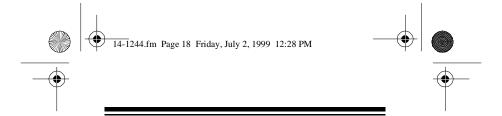


Notes:

- The AM antenna is built-in. Rotate the cassette player to improve AM reception.
- For the best FM reception, fully extend the FM antenna wire or the headphones' or speakers' cord (whichever is connected).
- The FM STEREO indicator lights when the SCP-97 receives an FM broadcast in stereo.
- To improve reception of weak FM radio stations, set FM • AM to the center position to select the FM monaural band. The sound is no longer in stereo, but reception should improve.







6. Set **EXTENDED BASS** to **ON** for an enhanced bass effect. Set it to **OFF** for normal bass sound.

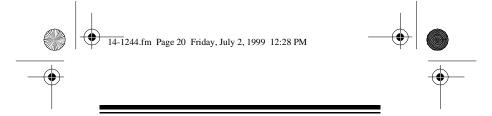






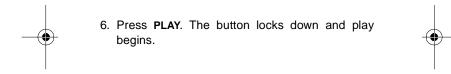
3. With its open edge facing up, insert the cassette tape into the cassette guides on the door.





- 4. Close the door.
- 5. Set TAPE • RADIO to TAPE.

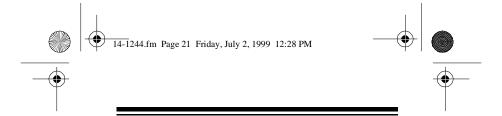
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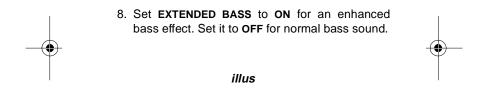
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Note: The SCP-97 automatically plays the tape's other side when the current side ends. To play the other side sooner, set **DIRECTION** to its other position.

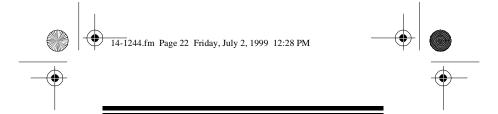




7. Adjust **VOLUME** to the desired listening level.







9. To stop playback, press n STOP.

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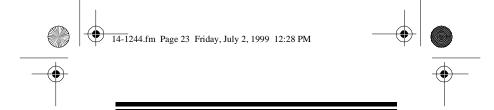


USING FAST-FORWARD AND REWIND



To fast-forward the tape, press ▶▶ or ◄◄ (whichever is the same direction as tape play). To rewind the tape, press ▶▶ or ◄◄ (whichever is the opposite direction of tape play.)





The tape automatically stops when it reaches the end (but you must press n STOP to release ►► or ◄◄). To stop the tape before it reaches the end, press n STOP sooner.

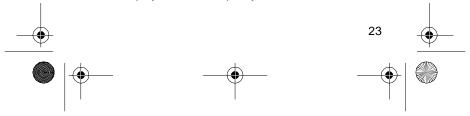
TAPE TIPS

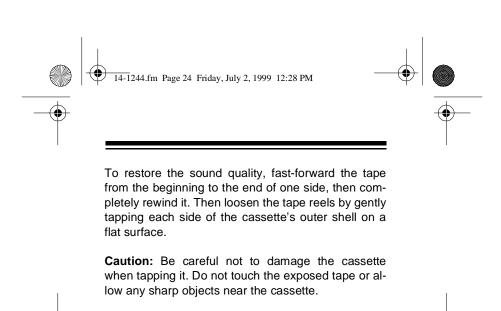


For the best performance, use only regular length (60- or 90-minute) cassette tapes. We do not recommend long-playing cassette tapes, such as C-120s, because they are extremely thin and can easily tangle in the playback mechanism.

Restoring Tape Tension and Sound Quality

After you play a cassette tape several times, the tape might become tightly wound on the reels. This can cause playback sound quality to deteriorate.

















MAINTENANCE

Your Optimus SCP-97 Auto-Reverse AM/FM Stereo Cassette Player is an example of superior design and craftsmanship. The following suggestions will help you care for the SCP-97 so you can enjoy it for years.

- Keep the SCP-97 dry. If it gets wet, wipe it dry immediately.
- Use and store the SCP-97 only in normal temperature environments.
- Handle the SCP-97 gently and carefully. Don't drop it.
- · Keep the SCP-97 away from dust and dirt.
- Occasionally wipe the SCP-97 with a damp cloth to keep it looking new.

Modifying or tampering with the SCP-97's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your SCP-97 is not performing as it should, take it to your local RadioShack store for assistance.









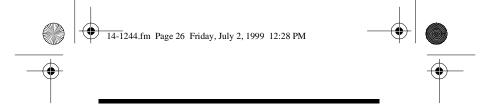






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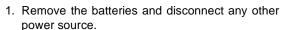




CLEANING THE TAPE-HANDLING PARTS

Dirt, dust, or particles of the tape's coating can accumulate on the tape head and other parts that the tape touches. This can reduce the SCP-97's performance.

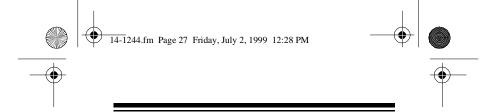
Follow these steps to clean the tape-handling parts after about every 20 hours of tape player operation.





- 3. Press PLAY to expose the tape-handling parts.
- 4. Use a cotton swab dipped in denatured alcohol or tape head cleaning solution to clean the playback head, pinch rollers, capstans and tape guides.

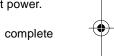




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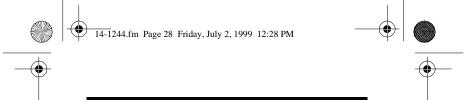


5. When you finish cleaning, press n **STOP** and close the compartment, then reconnect power.



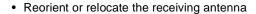
Note: Your local RadioShack store has a complete line of cassette deck cleaning accessories.

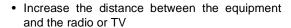


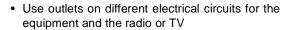


FCC INFORMATION

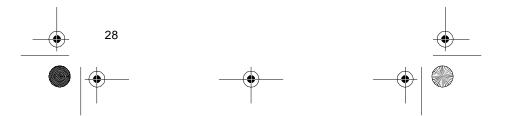
This equipment complies with the limits for a Class B digital device as specified in Part 15 of *FCC Rules*. These limits provide reasonable protection against radio and TV interference in a residential area. However, your equipment might cause TV or radio interference even when it is operating properly. To eliminate interference, you can try one or more of the following corrective measures:







Consult your local Radio Shack store if the problem still exists.





14-1244.fm Page 29 Friday, July 2, 1999 12:28 PM





SPECIFICATIONS



GENERAL

Power Requirements 3 Volts DC, 300 Milliamps Two AA Batteries (Cat. No. 23-557), 3-Volt AC Adapter (Cat. No. 273-1654), or 3-Volt DC Adapter (Cat. No. 270-1560)

Weight (Without Batteries) 9.7 oz (274 g)



RADIO

 AM

Frequency Range 530–1710 kHz Sensitivity @ 20dB S/N 800 μ V/m Selectivity ±10 kHz 18 dB

Headphone Output Power @ 10% THD: 18 mW Speaker Output Power @ 10% THD 30 mW







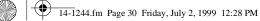




















Frequency Range	88–108 MHz
Usable Sensitivity	15 mW
Output Power @ 10% THD	10 mW
Selectivity ± 400 kHz	15 dB



CASSETTE PLAYER

Tape System 4-Track, Stereo
Tape Speed17/8 Inches per Second
Frequency Response125 Hz to 6.3 kHz ±3dB
Signal-to-Noise Ratio 40 dB
Wow and Flutter 0.4%

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.



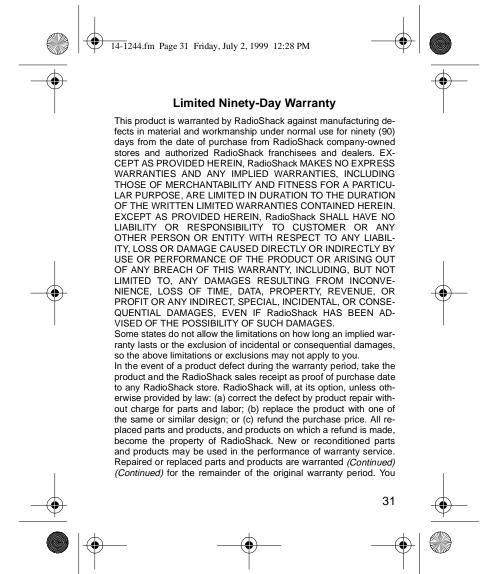


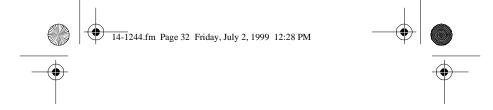












will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, Dept. W, 100 Throckmorton St., Suite 600, Fort Worth, TX 76102

We Service What We Sell

3/97

